Training and Evaluation Outline Report

Status: Approved
15 Jun 2015
Effective Date: 17 Oct 2016

Task Number: 05-PLT-8007

Task Title: Provide Support to Trench Rescue Operations

Distribution Restriction: Approved for public release; distribution is unlimited.
Destruction Notice: None
Foreign Disclosure: FD1 - This training product has been reviewed by the training developers in coordination with the Fort Leonard Wood, MSCoE foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 5-19 (Change 001 09/08/2014 78 Pages)	RISK MANAGEMENT http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp5_19.pdf	Yes	No
	NFPA 1001	Standard for Fire Fighter Professional Qualifications. 2008 Edition	Yes	No
	NFPA 1006	Standard for Rescue Technician Professional Qualifications	Yes	No
	NFPA 1670	Standard on Operations and Training for Technical Search and Rescue Incidents. 2009 Edition	Yes	No
	NFPA STDS AND REGS	National Fire Protection Association Standards and Regulations	Yes	Yes

Conditions: The element receives orders to provide support for Technical Rescue (TR) within their Area of Responsibility (AOR) where trench rescue operations are needed. The unit has all assigned organic equipment, special equipment and personnel. Military TR personnel involved in the trench rescue have all required certifications for the level of rescue they are to perform. Some iterations of this task should be performed in various levels of personal protective equipment; some should be performed in limited visibility situations.

Note: The Commander must still determine at what level of training they would want the element to perform. Crawl, walk or run. This can only be determined after consideration as to the units training level.

The Commander prior to evaluating an element in the conduct of the task must determine if it will be conducted in a Live, Virtual, or Constructive environment, additionally it must also be determined which condition as described below that the element will conduct the task. The selection made for this task is at a trained level of proficiency. The commander must determine which of the environments below will best suit the unit and the proficiency level at which the unit is. When conducting crawl or walk level training units should not increase the intensity until the unit has achieved the standards and then unit trainers should include variables that increase proficiency in all conditions.

Note: The condition statement for this task is written assuming the highest training conditions reflected on the Task Proficiency matrix required for the evaluated unit to receive a "fully trained" (T) rating.

Note: Condition terms definitions:

Dynamic Operational Environment: Three or more operational and two or more mission variables change during the execution of the assessed task. Operational variables and threat Tactics, Techniques, and Procedures (TTPs) for assigned counter-tasks change in response to the execution of Blue Forces (BLUFOR) tasks.

Complex Operational Environment: Changes to four or more operational variables impact the chosen friendly COA/mission. Brigade and higher units require all eight operational variables of Political, Military, Economic, Social, Infrastructure, Information, Physical environment, and Time (PMESII-PT) to be replicated in varying degrees based on the task being trained.

Single threat: Regular, irregular, criminal or terrorist forces are present.

Hybrid threat: Diverse and dynamic combination of regular forces, irregular forces, and/or criminal elements all unified to achieve mutually benefiting effects.

Some iterations of this task should be performed in MOPP 4.

Standards: At the direction of higher, the responding elements report to the Incident Commander (IC), his/her representative, or appropriate branch officer. Assist and augments first responder / Urban Search and Rescue personnel. Extricate, treat and transport victims from the trench (as required). Implement risk management procedures to reduce the possibility of initial / additional injury to victims and TR personnel.

Note: Leaders are defined as the Commander, Executive Officer, First Sergeant, Operations Sergeant, Platoon Leaders, Platoon Sergeants, Squad Leaders, and Team Leaders.

Live Fire Required: No

Objective Task Evaluation Criteria Matrix:

Plan and Prepare			Execute						Assess
Operational Environment		Training Environment (L/V/C)	% of Leaders Present at Training/Authorized	% of Soldiers Present at	External Eval	% Performance Measures 'GO'	% Critical Performance Measures 'GO'	% Leader Performance Measures 'GO'	Task Assessment
SQD & PLT									
Dynamic (Single Threat)	Night	IAW unit CATS statement.	>=85%	>=80%	Yes	>=91%	All	>=90%	**T**
	Day		75-84%			80-90%		80-89%	**T-**
Static (Single Threat)	Night		65-74%	75-79%	No	65-79%			**P**
	Day		60-64%	60-74%		51-64%	<All	<=79%	**P-**
			<=59%	<=59%		<=50%			**U**

Remarks: None

Notes: 1. Task steps marked ** indicate required certifications for the level of rescue to be performed.

2. All required references and technical manuals will be provided by the local command.

Safety Risk: High

Task Statements

Cue: None

DANGER

Leaders have an inherent responsibility to conduct Risk Management to ensure the safety of all Soldiers and promote mission accomplishment.

WARNING

Risk management is the Army's primary decision-making process to identify hazards, reduce risk, and prevent both accidental and tactical loss. All Soldiers have the responsibility to learn and understand the risks associated with this task.

CAUTION

Identifying hazards and controlling risks across the full spectrum of Army functions, operations and activities is the responsibility of all Soldiers.

Performance Steps and Measures

NOTE: Assess task proficiency using the task evaluation criteria matrix.

NOTE: Asterisks (*) indicate leader steps; plus signs (+) indicate critical steps.

STEP/MEASURE	GO	NO-GO	N/A
+ 1. The element reports to IC, his/her representative, or appropriate branch officer.			
+ a. Receives and understand mission directives from IC, his/her representative, or appropriate branch officer.			
+ b. Provides IC, his/her representative, or appropriate branch officer with information concerning on hand personnel, certifications, equipment and materials information.			
+ c. Ensures Standing Rules for the Use of Force (SRUF) and AOR hazards information is provided from IC, his/her representative, or appropriate branch officer.			
+ 2. The element conducts pre-rescue operations.			
+ a. Issues Warning Order (WARNORD) to all personnel assigned or attached.			
+ b. Ensures SRUF is understood.			
+ c. Ensures all personnel understand the parameters and legal thresholds associated with the mission.			
+ d. Conducts AOR reconnaissance to identify conditions including:			
(1) Establishes rescue area safety measures including utility service location.			
(2) **Sizes up existing and potential condition restrictions, water hazards and atmospheric conditions.			
(3) **Determines the construction, application, limitations and removal of traditional sheeting and shoring.			
(4) **Determines typical trench and excavation collapse patterns and the potential for secondary collapse.			
(5) Identifies soil types using accepted visual or manual tests.			
+ e. Establishes communications with all supported and supporting elements working within assigned AOR.			
+ f. Prioritizes and task organizes personnel, equipment and materials into elements including:			
(1) ** Technical rescue.			
(2) Trench tool kit.			
(3) ** Panel / shoring team(s).			
(4) ** Shield, sloping and benching systems teams.			
(5) **Rope rescue team(s).			
(6) ** Rapid Intervention Crew (RIC) support.			
(7) Debris removal (manual / heavy equipment).			
(8) **Entry teams.			
(9) Materials management.			
(10) **Casualty evacuation (if required).			
(11) Local security.			
+ g. Coordinates work rest plan to provide maximum engineer support to TR operations.			
+ 3. The element performs rescue operations.			
+ a. Provides engineer support, equipment and personnel to:			
(1) **Technical rescue.			
(2) Trench tool kit.			
(3) ** Panel / shoring team(s).			
(4) ** Shield, sloping and benching systems teams.			
(5) **Rope rescue team(s).			
(6) ** Rapid Intervention Crew (RIC) support.			
(7) Debris removal (manual / heavy equipment).			
(8) **Entry teams.			
(9) Materials management.			
(10) **Casualty evacuation (if required).			
(11) Local security.			
+ b. Monitors all communications for changing conditions or additional support requests.			
+ c. Establishes entry and egress paths for entry personnel.			
+ d. Implements rescue area safety measures.			
+ e. **Package and extract entrapped persons without causing death or additional injuries.			
f. Continues support until all victims have been rescued, recovered or change of mission order is received.			
+ 4. The element terminates the trench TR support.			

+ a. Provides IC, his/her representative, or appropriate branch officer with all reports and documentation required for TR operations.			
b. Prepares all recoverable materials, equipment and personnel for redeployment.			

TASK PERFORMANCE / EVALUATION SUMMARY BLOCK							
ITERATION	1	2	3	4	5	M	TOTAL
TOTAL PERFORMANCE MEASURES EVALUATED							
TOTAL PERFORMANCE MEASURES GO							
TRAINING STATUS GO/NO-GO							

ITERATION: **1 2 3 4 5 M**

COMMANDER/LEADER ASSESSMENT: **T P U**

Mission(s) supported: None

MOPP 4: Sometimes

MOPP 4 Statement: None

NVG: Sometimes

NVG Statement: None

Prerequisite Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	05-CO-8000	Conduct Technical Rescue Operations	05 - Engineers (Collective)	Approved
	05-CO-8002	Conduct Technical Rescue Operations	05 - Engineers (Collective)	Approved

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	05-CO-0018	Conduct Report Procedures	05 - Engineers (Collective)	Approved
	05-CO-8003	Conduct Confined Space Rescue	05 - Engineers (Collective)	Approved
	05-PLT-8009	Employ Shoring Techniques	05 - Engineers (Collective)	Approved
	71-CO-5100	Conduct Troop Leading Procedures for Companies	71 - Combined Arms (Collective)	Approved

OPFOR Task(s):

Task Number	Title	Status
71-CO-8502	OPFOR Execute an Ambush	Approved
71-CO-8504	OPFOR Execute a Reconnaissance Attack	Approved

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	052-256-3041	Direct Soils Stabilization Operations	052 - Engineer (Individual)	Approved
	052-USR-3103	Assess a Confined Space Rescue Incident	052 - Engineer (Individual)	Approved

Supporting Drill(s): None

Supported AUTL/UJTL Task(s):

Task ID	Title
ART 6.6.1.7.2	Provide Technical Rescue Services

TADSS

TADSS ID	Title	Product Type	Quantity
No TADSS specified			

Equipment (LIN)

LIN	Nomenclature	Qty
No equipment specified		

Materiel Items (NSN)

NSN	LIN	Title	Qty
No materiel items specified			

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card. .

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. .